

Amendments to the Claims:

1. (Currently Amended) A system for downloading pushed content comprising:
a terminal comprising a processor ~~capable of receiving~~ configured to receive service loading content that identifies download content and has a digital signature, wherein the processor is ~~capable of authenticating~~ configured to authenticate the service loading content based upon the digital signature, and if the service loading content is authenticated, ~~pulling~~ pull the download content to the terminal, ~~and wherein the processor is capable of authenticating~~ configured to authenticate the service loading content, and ~~pulling~~ pull the download content, in response to receiving the service loading content and independent of interaction from a user of the terminal, ~~and~~

wherein the processor is configured to determine if an interruption occurs in pulling the download content such that the terminal receives a portion but less than all of the download content, and if an interruption occurs in receiving the content, recover the download content including receiving a remaining portion of the download content without also receiving at least part of the previously received portion.

2. (Currently Amended) ~~A~~ The system according to Claim 1, wherein the processor of the terminal is ~~capable of verifying~~ configured to verify the digital signature with a public key to thereby authenticate the service loading content.

3. (Currently Amended) ~~A~~ The system according to Claim 2 further comprising:
a push initiator ~~capable of~~ configured to ~~digitally signing~~ sign the service loading content with a private key associated with the public key, and thereafter ~~transmitting~~ transmit the service loading content to the terminal.

4. (Currently Amended) ~~A~~ The system according to Claim 1 further comprising:
an origin server associated with the download content, wherein the service loading content identifies the origin server associated with the download content,

wherein the processor of the terminal is ~~capable of sending~~ configured to send a request for the download content to the origin server when the service loading content is authenticated, and wherein the processor is ~~capable of receiving~~ configured to receive the download content from the origin server in response to the request.

5. (Currently Amended) ~~A-~~The system according to Claim 4, wherein the processor of the terminal is ~~capable of operating~~ configured to operate a download agent, wherein the download agent is ~~capable of receiving~~ configured to receive a download descriptor, and thereafter ~~receiving~~ receive the download content.

6. (Currently Amended) ~~A-~~The system according to Claim 5, wherein the download content comprises a plurality of data packets, and wherein the download agent is ~~capable of determining~~ configured to determine if an interruption occurs in receiving the plurality of data packets such that the download agent receives less than the plurality of data packets of the download content, and if an interruption occurs in receiving the plurality of data packets, ~~receiving~~ recover the download content such that the download agent receives the plurality of data packets.

7. (Currently Amended) ~~A-~~The system according to Claim 6, wherein the download agent is further ~~capable of determining~~ configured to determine at least one remaining data packet to be received by the download agent to thereby complete reception of the plurality of data packets of the download content, ~~instructing~~ instruct the origin server to send the at least one remaining data packet, and ~~receiving~~ receive the at least one remaining data packet such that the download agent receives the plurality of data packets.

8. (Currently Amended) ~~A-~~The system according to Claim 4, wherein the download content comprises a plurality of data packets, and wherein the processor of the terminal is ~~capable of operating~~ configured to operate a download agent ~~capable of receiving~~ configured to

receive the plurality of data packets and ~~receiving~~ receive at least one information packet regarding at least one group of at least one data packet.

9. (Currently Amended) A ~~The~~ system according to Claim 8, wherein the download agent is ~~capable of monitoring~~ configured to monitor the received data packets to determine, based upon at least one information packet, if an interruption occurs in receiving the plurality of data packets such that the download agent receives less than the plurality of data packets of the download content, and wherein the download agent is ~~capable of recovering~~ configured to recover the download content such that the download agent receives the plurality of data packets if an interruption occurs in receiving the plurality of data packets.

10. (Currently Amended) A method for downloading pushed content to a terminal, the method comprising:

receiving service loading content at a terminal, wherein the service loading content identifies download content and has a digital signature;

authenticating the service loading content based upon the digital signature; and

pulling the download content to the terminal when the service loading content is authenticated, wherein the service loading content is authenticated, and the download content is pulled, in response to receiving the service loading content and independent of interaction from a user of the terminal,

wherein pulling the download content includes determining if an interruption occurs in pulling the download content such that the terminal receives a portion but less than all of the content, and if an interruption occurs in receiving the content, recovering the download content including receiving a remaining portion of the download content without also receiving at least part of the previously received portion.

11. (Currently Amended) A ~~The~~ method according to Claim 10, wherein authenticating the service loading content comprises verifying the digital signature with a public key.

12. (Currently Amended) ~~A-~~The method according to Claim 11 further comprising:
digitally signing the service loading content with a private key associated with the public
key; and

transmitting the service loading content to the terminal.

13. (Currently Amended) ~~A-~~The method according to Claim 10, wherein the service
loading content identifies an origin server associated with the download content, and wherein
pulling the download content comprises:

sending a request for the download content to the origin server when the service loading
content is authenticated; and

receiving the download content at the terminal from the origin server in response to the
request.

14. (Currently Amended) ~~A-~~The method according to Claim 13, wherein receiving
the download content comprises receiving a download descriptor, and thereafter receiving the
download content.

15. (Currently Amended) ~~A-~~The method according to Claim 14, wherein the
download content comprises a plurality of data packets, and ~~wherein receiving the download
content further comprises:~~

wherein determining if an interruption occurs comprises determining if an interruption
occurs in receiving the plurality of data packets such that the terminal receives less than the
plurality of data packets of the download content; and ~~if an interruption occurs in receiving the
plurality of data packets~~

wherien recovering the download content comprises recovering the download content
such that the terminal receives the plurality of data packets.

16. (Currently Amended) ~~A-The~~ method according to Claim 15, wherein recovering the download content comprises:

determining at least one remaining data packet to be received at the terminal to thereby complete reception of the plurality of data packets of the download content;

instructing the origin server to send the at least one remaining data packet; and

receiving the at least one remaining data packet such that the terminal receives the plurality of data packets.

17. (Currently Amended) ~~A-The~~ method according to Claim 13, wherein the download content comprises a plurality of data packets, and wherein receiving the download content comprises receiving the plurality of data packets and receiving at least one information packet regarding at least one group of at least one data packet.

18. (Currently Amended) ~~A-The~~ method according to Claim 17, wherein receiving the plurality of data packets further comprises:

monitoring the received data packets to determine, based upon at least one information packet, if an interruption occurs in receiving the plurality of data packets such that the terminal receives less than the plurality of data packets of the download content; and if an interruption occurs in receiving the plurality of data packets

recovering the download content such that the terminal receives the plurality of data packets.

19. (Currently Amended) A computer program product for downloading pushed content to a terminal, the computer program product comprising at least one computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

a first executable portion ~~for receiving~~ configured to receive service loading content at a terminal, wherein the service loading content identifies download content and has a digital signature;

a second executable portion ~~for authenticating~~ configured to authenticate the service loading content based upon the digital signature; and

a third executable portion ~~for pulling~~ configured to pull the download content to the terminal when the service loading content is authenticated,

wherein the second executable portion is ~~adapted~~ configured to authenticate the service loading content, and the third executable portion is ~~adapted~~ configured to pull the download content, in response to receiving the service loading content and independent of interaction from a user of the terminal,

wherein the third executable portion is also configured to determine if an interruption occurs in pulling the download content such that the terminal receives a portion but less than all of the content, and if an interruption occurs in receiving the content, recover the download content including receiving a remaining portion of the download content without also receiving at least part of the previously received portion.

20. (Currently Amended) A ~~The~~ computer program product according to Claim 19, wherein the second executable portion is ~~adapted~~ configured to verify the digital signature with a public key to thereby to authenticate the service loading content.

21. (Currently Amended) A ~~The~~ computer program product according to Claim 20 further comprising:

a fourth executable portoin ~~for~~ configured to digitally signing ~~sign~~ the service loading content with a private key associated with the public key; and

a fifth executable portion ~~for transmitting~~ configured to transmit the service loading content to the terminal.

22. (Currently Amended) A ~~The~~ computer program product according to Claim 19, wherein the service loading content identifies an origin server associated with the download content, and wherein the third executable portion is ~~adapted~~ configured to send a request for the download content to the origin server when the service loading content is authenticated, and

thereafter receive the download content at the terminal from the origin server in response to the request.

23. (Currently Amended) A ~~The~~ computer program product according to Claim 22, wherein the third executable portion is ~~adapted~~ configured to receive a download descriptor, and thereafter receive the download content.

24. (Currently Amended) A ~~The~~ computer program product according to Claim 23, wherein the download content comprises a plurality of data packets, and wherein the third executable portion is further ~~adapted~~ configured to determine if an interruption occurs in receiving the plurality of data packets such that the terminal receives less than the plurality of data packets of the download content, and if an interruption occurs in receiving the plurality of data packets, recover the download content such that the terminal receives the plurality of data packets.

25. (Currently Amended) A ~~The~~ computer program product according to Claim 24, wherein the third executable portion is ~~adapted~~ configured to recover the download content by determining at least one remaining data packet to be received at the terminal to thereby complete reception of the plurality of data packets of the download content, ~~instructing~~ instruct the origin server to send the at least one remaining data packet, and ~~receiving~~ receive the at least one remaining data packet such that the terminal receives the plurality of data packets.

26. (Currently Amended) A ~~The~~ computer program product according to Claim 22, wherein the download content comprises a plurality of data packets, and wherein the third executable portion is ~~adapted~~ configured to receive the plurality of data packets and receive at least one information packet regarding at least one group of at least one data packet.

27. (Currently Amended) A ~~The~~ computer program product according to Claim 26, wherein the third executable portion is further ~~adapted~~ configured to monitor the received data

packets to determine, based upon at least one information packet, if an interruption occurs in receiving the plurality of data packets such that the terminal receives less than the plurality of data packets of the download content, and wherein the third executable portion is adapted configured to recover the download content such that the terminal receives the plurality of data packets if an interruption occurs in receiving the plurality of data packets.

28. (New) An apparatus comprising:

a processor configured to receive service loading content, wherein the service loading content identifies download content and has a digital signature,

wherein the processor is configured to authenticate the service loading content based upon the digital signature,

wherein the processor is configured to pull the download content when the service loading content is authenticated, wherein the processor is configured to authenticate the service loading content, and pull the download content, in response to receiving the service loading content and independent of interaction from a user of the apparatus,

wherein the processor being configured to pull the download content includes being configured to determine if an interruption occurs in pulling the download content such that the apparatus receives less than all of the content, and if an interruption occurs in receiving the content, recover the download content including receiving a remaining portion of the download content without also receiving at least part of the previously received portion.

29. (New) The apparatus according to Claim 28, wherein the processor being configured to authenticate the service loading content includes being configured to verify the digital signature with a public key.

30. (New) The apparatus according to Claim 29, wherein the processor being configured to receive service loading content includes being configured to receive digitally-signed service loading content, the service loading content having been digitally signed with a private key associated with the public key.

31. (New) The apparatus according to Claim 28, wherein the service loading content identifies an origin server associated with the download content, and wherein the processor being configured to pull the download content includes being configured to:

send a request for the download content to the origin server when the service loading content is authenticated; and

receive the download content at the apparatus from the origin server in response to the request.

32. (New) The apparatus according to Claim 31, wherein the processor being configured to receive the download content includes being configured to receive a download descriptor, and thereafter receive the download content.

33. (New) The apparatus according to Claim 32, wherein the download content comprises a plurality of data packets, wherein the processor being configured to determine if an interruption occurs includes being configured to determine if an interruption occurs in receiving the plurality of data packets such that the apparatus receives less than the plurality of data packets of the download content, and wherein the processor being configured to recover the download content includes being configured to recover the download content such that the apparatus receives the plurality of data packets.

34. (New) The apparatus according to Claim 33, wherein the processor being configured to recover the download content includes being configured to:

determine at least one remaining data packet to be received at the apparatus to thereby complete reception of the plurality of data packets of the download content;

instruct the origin server to send the at least one remaining data packet; and

receive the at least one remaining data packet such that the apparatus receives the plurality of data packets.

35. (New) The apparatus according to Claim 31, wherein the download content comprises a plurality of data packets, and wherein the processor being configured to receive the download content includes being configured to receive the plurality of data packets and receive at least one information packet regarding at least one group of at least one data packet.

36. (New) The apparatus according to Claim 35, wherein the processor being configured to receive the plurality of data packets further includes being configured to:
monitor the received data packets to determine, based upon at least one information packet, if an interruption occurs in receiving the plurality of data packets such that the apparatus receives less than the plurality of data packets of the download content; and if an interruption occurs in receiving the plurality of data packets,
recover the download content such that the apparatus receives the plurality of data packets.